

Program: Re-Energy

Grade 10 – British Columbia Science Curriculum Connections



Activity Name	Organizing Idea	Learning Outcome
Activity: Renewable Energy Sources	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
		Energy is conserved, and its transformation can affect living things and the environment.
Activity: What is Renewable Energy?	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
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Activity: Build a Solar Car	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
		Energy is conserved, and its transformation can affect living things and the environment.
Activity: Build a Solar Oven	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
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Activity: Construire un Four Solaire	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
		Energy is conserved, and its transformation can affect living things and the environment.
Activity: Introduction to Solar Electricity	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
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Activity: Introduction to Solar Heat Energy	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
		Energy is conserved, and its transformation can affect living things and the environment.
Activity: Solar Energy Transition with Six Nations of the Grand River	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
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Activity: Electrifying the Future of Transportation Guide	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
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Activity: Build an Electric Vehicle Model	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
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Activity: Exploring Electric Vehicle Charging Stations	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
		Energy is conserved, and its transformation can affect living things and the environment.
Activity: History of the Electric Vehicle	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
		Energy is conserved, and its transformation can affect living things and the environment.
Activity: How is Your Community Adapting For Electric Vehicles?	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
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Activity: Planning a Trip in Your Electric Vehicle	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
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Activity: Electric Vehicles and Charging Stations with Six Nations of the Grand River	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
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Activity: What EV Should You Buy?	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
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Activity: Build a Wind Turbine	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
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Activity: Introduction to Wind Energy	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
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Activity: Wind Turbine Simulator	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
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Activity: Build a Hydroelectric Generator	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
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Activity: Introduction to Hydro Energy	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
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Activity: Pumped Hydro Storage	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
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Activity: Build a Biogas Generator	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
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Activity: Introduction to Biomass Energy	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
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Activity: Build a Flywheel Model	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
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Activity: Build a Penny Battery	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
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Activity: Endothermic and Exothermic Reactions	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
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Activity: Energy Storage Match	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
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Activity: Exploring Energy Storage in Your Community	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
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Activity: Exploring How To make a Battery	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
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Activity: Heat Transfer Lab	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
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Activity: The Electrostatic Effect	Chemical Reactions, Practical Applications of Chemical Processes, Nuclear Energy and Radiation, Conservation and Transformation of Energy	Energy change is required as atoms rearrange in chemical processes.
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